SUPV1

SIRIUS Plug and Play Vehicle Kit

For use with most newer SIRIUS Plug and Play Receivers

SIRIUS SATELLITE RADIO

THE BEST RADIO ON RADIO™

Installation Guide

Congratulations on the Purchase of your new SUPV1 SIRIUS Universal Plug and Play Vehicle Kit

Your new SUPV1 SIRIUS Universal Plug and Play Vehicle Kit lets you enjoy SIRIUS® Satellite Radio's digital entertainment in any vehicle. Use this manual as a guide for the installation.

The SUPV1 SIRIUS Universal Plug and Play Vehicle Kit will work with the Sportster 4 and most new SIRIUS plug and play satellite receivers. See your Plug and Play user manual for specific product compatibility.

For the latest information about this and other SIRIUS products and accessories, visit http://www.sirius.com.

SIRIUS®
SATELLITE RADIO
THE BEST RADIO ON RADIO™

Table of Contents

TABLE OF CONTENTS **3**
WARNING AND SAFETY INFORMATION **4**
Safety Precautions 4
Warnings 5
COPYRIGHTS & TRADEMARKS **6**
PACKAGE CONTENTS **7**
CONTROLS **9**
INSTALLATION **10**
Installing the Vehicle Docking Station 10
Installing the Antenna 16
Connecting the Cigarette Lighter Adapter 19
Docking the SIRIUS Receiver 19
Maximizing Audio Quality From Your SIRIUS Receiver 21
Subscribing to the SIRIUS Service 24
TROUBLESHOOTING **26**
OPTIONAL ACCESSORIES **27**
WARRANTY **28**
SPECIFICATIONS **29**

Warning and Safety Information

Safety Precautions

Be sure to observe the following warnings. Failure to follow these safety instructions and warnings may result in a serious accident and/or personal injury.

- Installation must be performed according to this installation guide. SIRIUS is not responsible for issues arising from installations not performed according to the procedures in this guide.
- Do not operate the SIRIUS receiver in a way that might divert your attention from driving safely. As a driver, you alone are responsible for safely operating your vehicle in accordance with traffic safety laws at all times.
- Do not install the unit where it may obstruct your view through the windshield, or of your vehicle's indicator displays.
- Before attaching the suction cup mount to your windshield, you should check your state and local laws for regulations regarding mounting this device on your windshield.
- Do not install the unit where it may hinder the function of safety devices such as an airbag. Doing so may prevent the airbag from functioning properly in the event of an accident.
- To avoid short circuits, do not open the unit, and never put or leave any metallic objects (coins, tools, etc.) inside the docking station.
- If the unit emits smoke or unusual odors, turn the power off immediately, and disconnect the unit from any power source.
- Do not drop the unit or subject it to strong shocks.
- The installation and use suggestions contained in this manual are subject to any restrictions or limitations that may be imposed by applicable law. The purchaser should check applicable law for any restrictions or limitations before installing and/or operating this unit.

Warnings

Operating Temperature

The SIRIUS Cigarette Lighter Adapter is designed to operate between -20° to +85° C (-4° to +185° F). Avoid leaving it in a vehicle or elsewhere where the temperature may fall outside this range.

Cleaning and Maintenance

If the docking station becomes dirty, turn the power off and wipe it clean with a soft cloth. Do not use hard cloths, strong cleaning fluids, paint thinner, alcohol, or other volatile solvents to clean. These may cause damage to the unit.

Cigarette Lighter Adapter

The SUPV1 cannot be powered directly from a vehicle's 12 VDC power system. It must be powered using the included Cigarette Lighter Adapter only. Connecting the SUPV1 directly to the vehicle's 12 VDC power system may result in damage to the docking station or SIRIUS receiver, or both.

Copyrights & Trademarks

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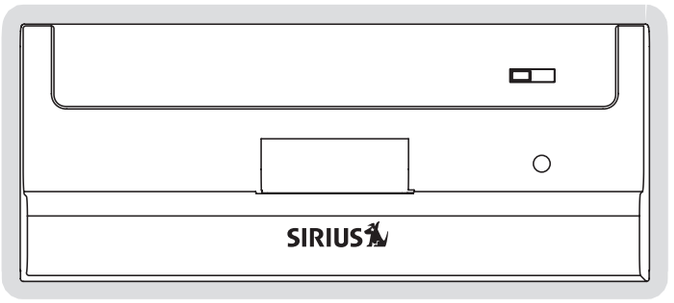
® “SIRIUS”, the SIRIUS dog logo, channel names and logos are trademarks of SIRIUS Satellite Radio Inc. All Rights Reserved.

™ “Sportster” is a trademark of SIRIUS Satellite Radio.

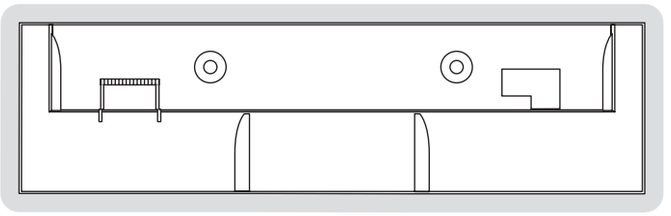
Hardware, subscription, and activation fee required. For full Terms & Conditions, visit http://sirius.com. Prices and programming are subject to change. Not available in HI and AK. Equipment and subscription sold separately. Installation required with some equipment.

Package Contents

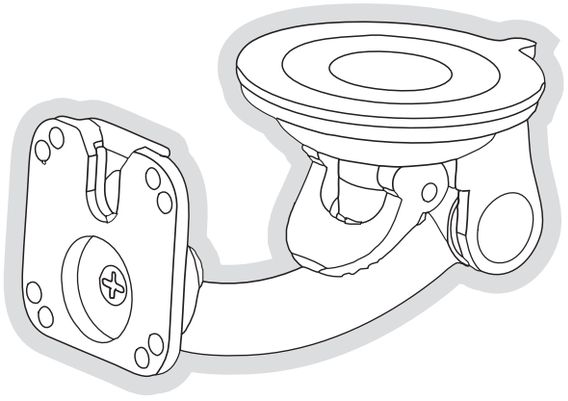
The following items are included with your purchase of the SUPV1 SIRIUS Universal Plug and Play Vehicle Kit. Unpack the kit carefully and make sure that everything shown is present. If anything is missing or damaged, or if the kit fails to operate properly, notify your dealer immediately. It is recommended that you retain the original carton and packing materials in case you need to ship your kit in the future.



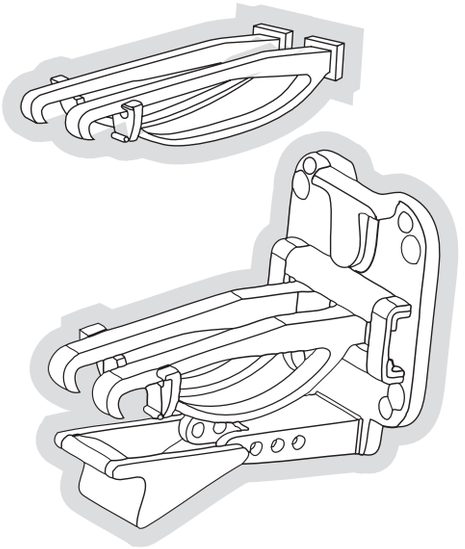
Vehicle Docking Station



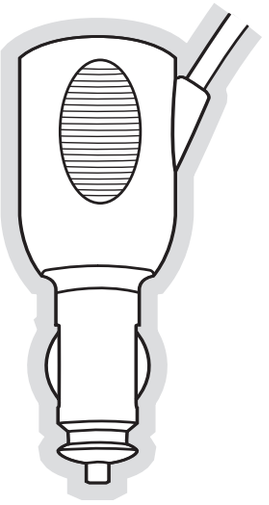
Docking Station Adapter



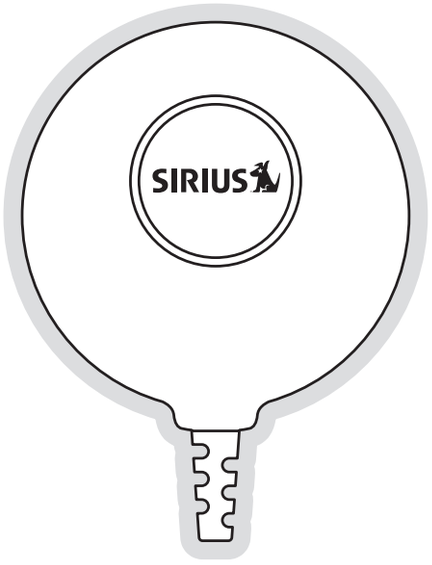
Suction Cup Mount



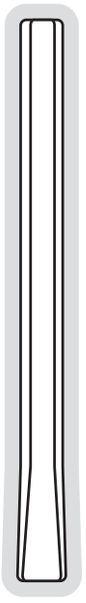
Vent Mount &
Extended Vent Hooks



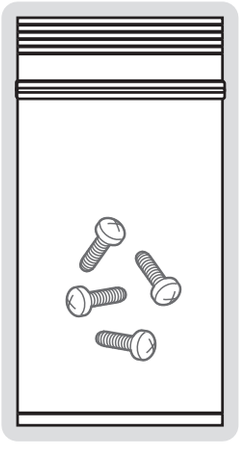
Cigarette Lighter Adapter



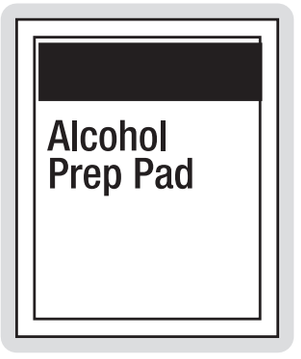
Magnetic Antenna



Antenna Cover/Tail



Mounting Screws



Alcohol Swab

Controls

Figure 1 and the section following identify and describe the controls and connectors of the docking station.

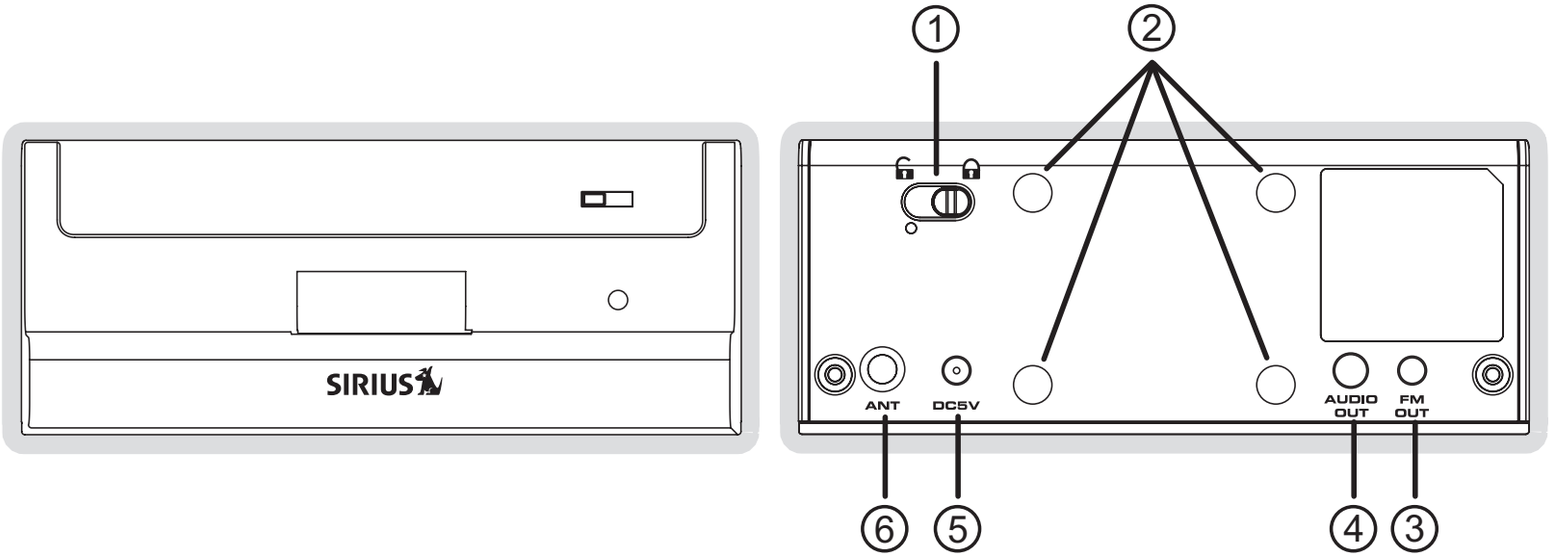


Figure 1

1. **Lock Switch**: Locks and unlocks the SIRIUS receiver in the dock.
2. **Mounting Holes**: Mounting holes for attaching the suction cup mount or the vent mount.
3. **FM OUT Connector**: FM output for use with the optional FM Direct Adapter.
4. **AUDIO OUT Connector**: Optional audio output connection for connecting to your vehicle's audio system if you are not using the FM transmitter.
5. **DC5V Power Connector**: Power connection for the cigarette lighter adapter.
6. **ANT Antenna Connector**: Connection for the provided magnetic antenna.

Installation

SIRIUS suggests professional installation of this product in your vehicle. Professional installation provides an experienced technician to install this product in your vehicle, advice for selecting a suitable mounting location, installation of the antenna, and routing all the necessary wires and cables. If the FM reception within your vehicle proves to be poor, an installer will have the necessary accessories to install an optional FM Direct Adapter, or an audio cable, to connect the audio output of the dock directly to your vehicle's audio system. Ask your SIRIUS retailer if they provide professional installation services, or can recommend a professional installation service.

Installing the Vehicle Docking Station

When installing the vehicle docking station in your vehicle, choose a location in your vehicle where it will not block your vision, interfere with the vehicle controls, or obstruct the air bag. The location should be easily accessible and provide good visibility of the display, and should not be located where it will be in direct sunlight which will affect the visibility of the display screen.

The mounting accessories necessary to install the dock in a vehicle are provided. Figure 1 shows two examples of the SIRIUS receiver mounted in a vehicle: **A** is the suction cup mount method, and **B** is the vent mount method using the vent mount clip.

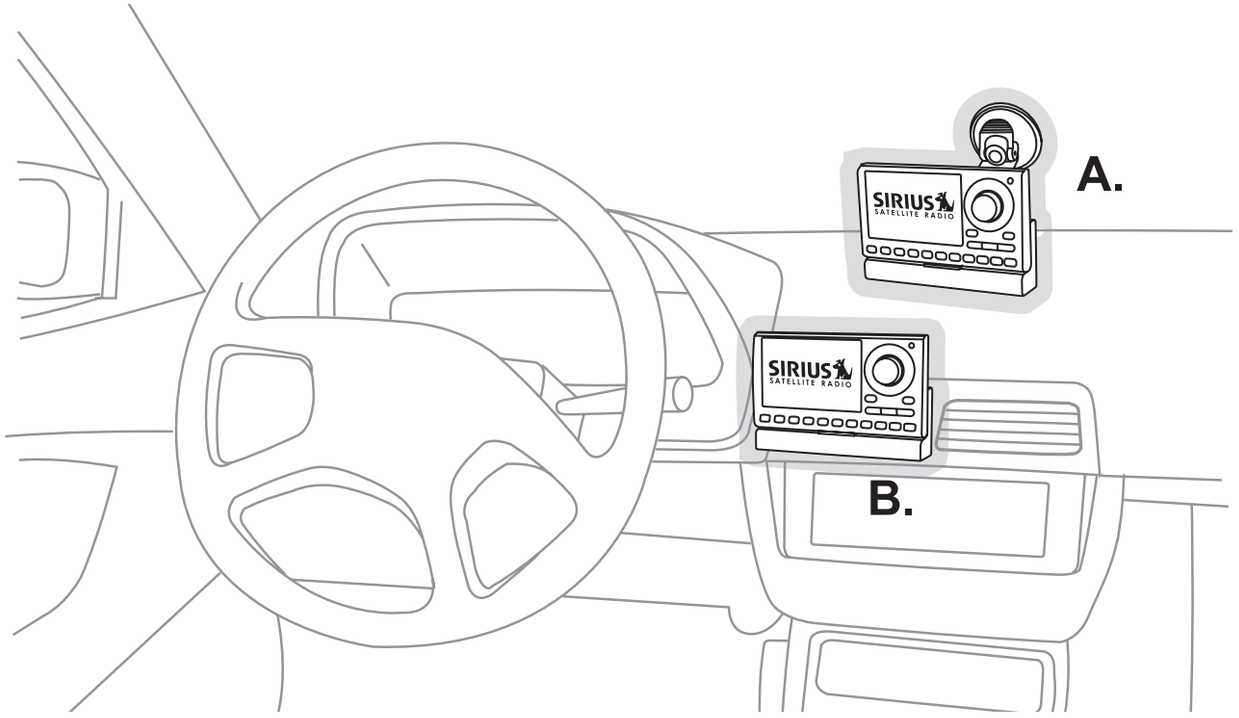


Figure 1

Depending upon the mounting location you select in your vehicle, the mount should be attached to the docking station and installed as described in the following sections.

Suction Cup Mount Method (A)

The suction cup mount may be attached to any smooth surface. Before attaching the suction cup mount to your windshield, you should check your state and local laws for regulations regarding mounting this device on your windshield.

To mount the docking station using the suction cup mount, assemble the mount as follows:

1. Attach the docking station to the suction cup mount using the provided screws. (Figure 2)

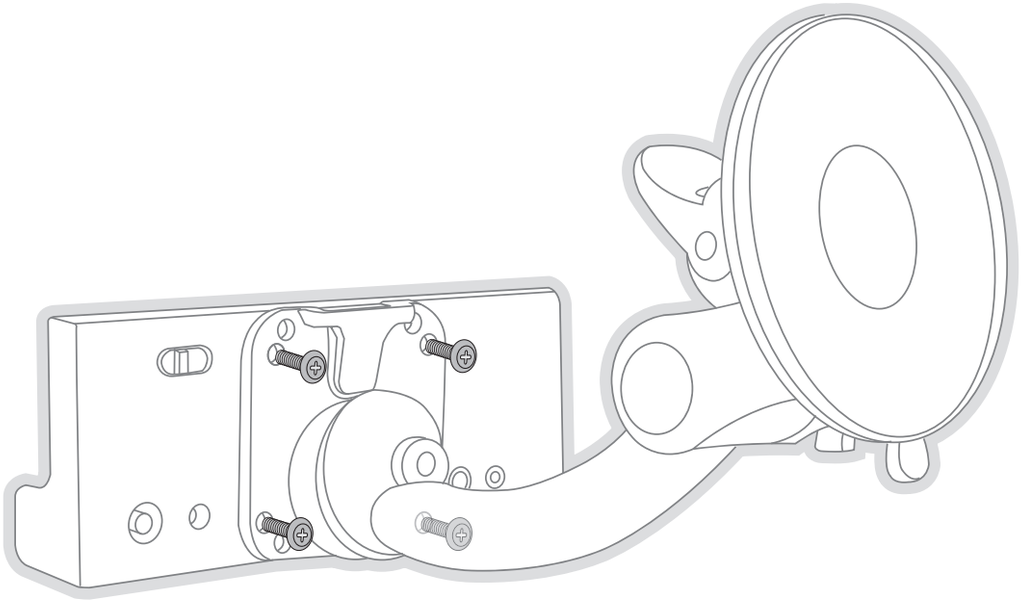


Figure 2

2. Clean the area where you are attaching the suction cup with an alcohol wipe.

3. Be sure the cam lever is up (as shown in Figure 3) and position the suction cup mount on the windshield or other location you which have chosen. Press the cam lever all the way down towards the base of the mount until it locks to adhere the suction cup. (To unlock the suction cup, lift the lever up.)

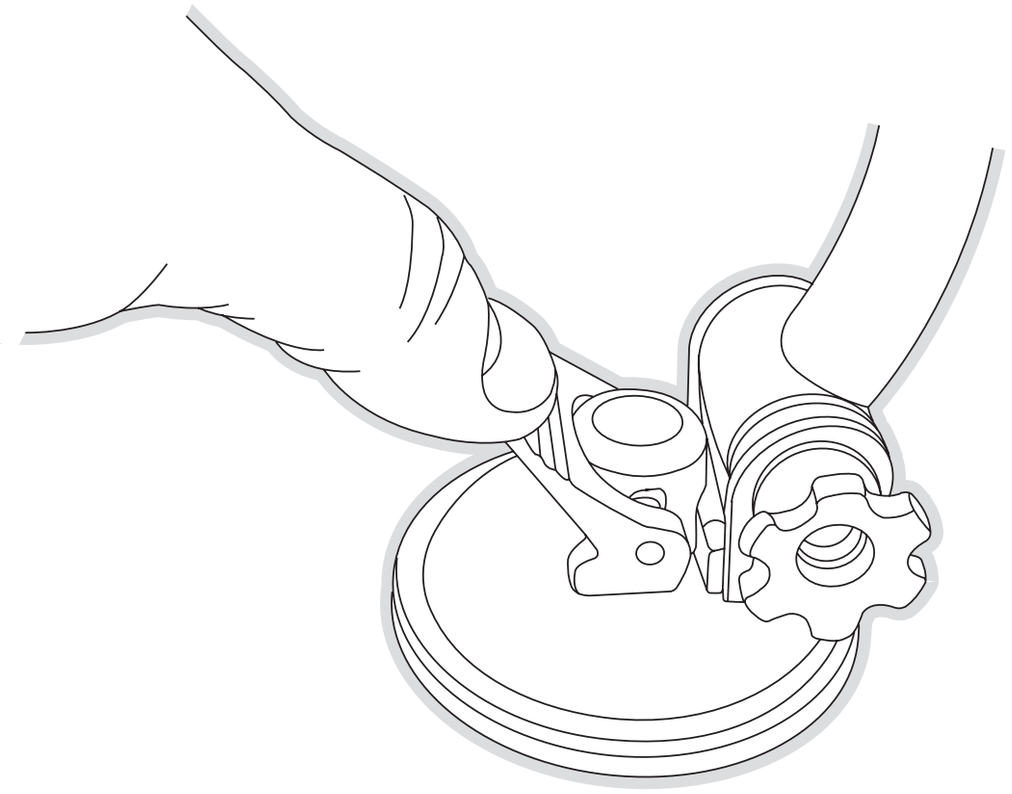


Figure 3

Vent Mount Method (B)

To mount the dock using the vent mount method, install the vent mount as follows:

1. If the vent louvers in your vehicle are recessed, you may need to use the longer vent hooks with the vent mount. Refer to Figure 4 and install the longer vent hooks into the vent mount. Be sure to observe the orientation of the vent hooks as shown.

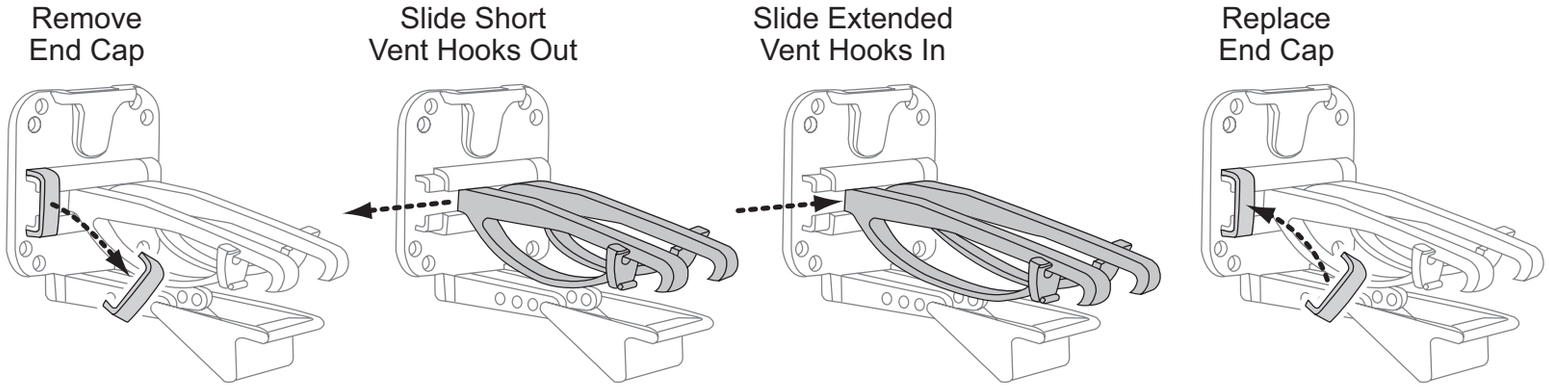


Figure 4

2. Attach the vent mount to the docking station using the provided screws. (Figure 5)

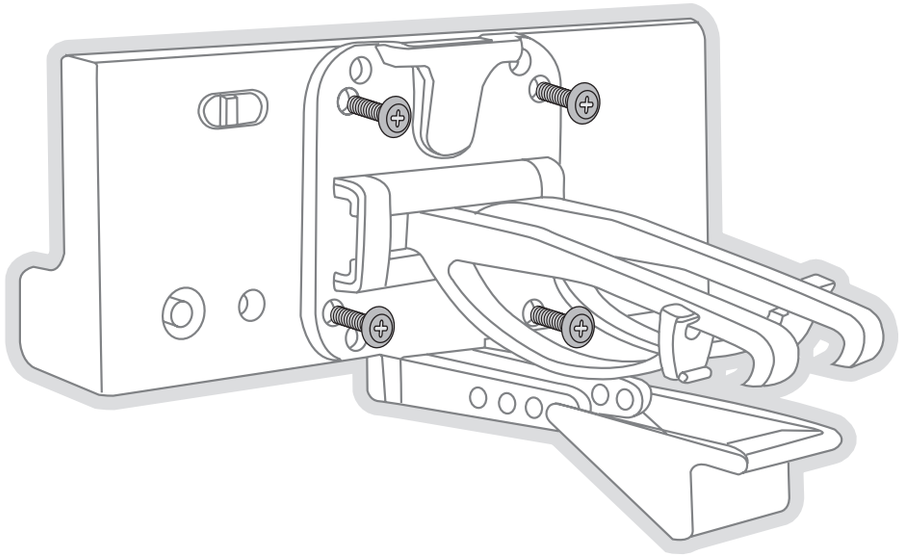


Figure 5

3. Refer to Figure 6 and attach the vent mount to a heating/air conditioning vent in your vehicle. Position the two tension springs **A** against a vent louver **B**. Then push the vent mount into the vent, far enough so that the hooks **C** drop down and hook the rear of the vent louver (Figure 7). Once you are sure that the hooks have grasped a vent louver, the tension springs **A** will keep the vent mount hooked to the louver.

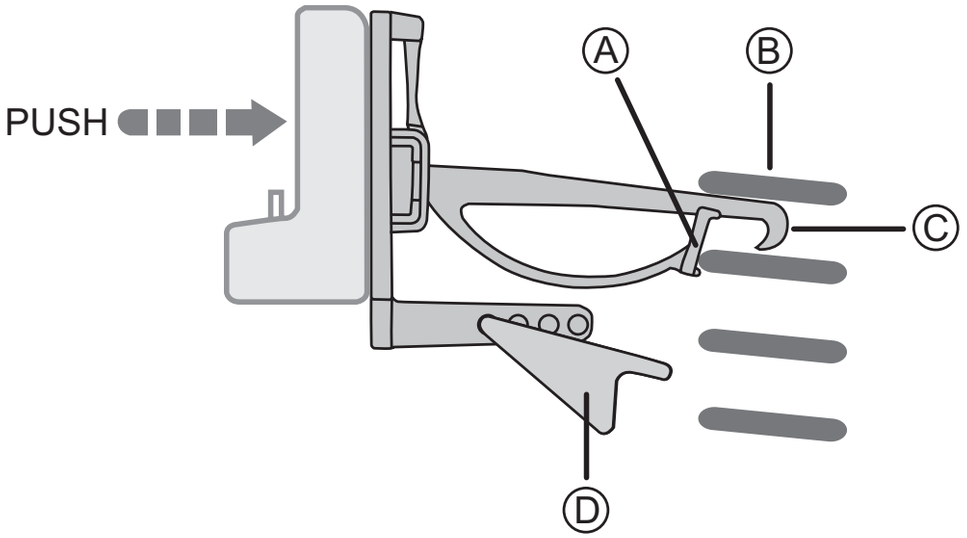


Figure 6

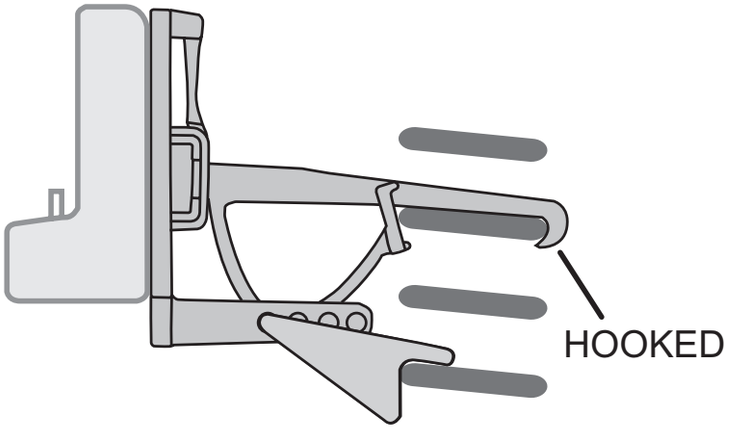


Figure 7

4. The angle of the docking station may be changed by changing the position of foot **D** on the vent mount (Figure 6) to a different adjustment hole. (Figure 8)

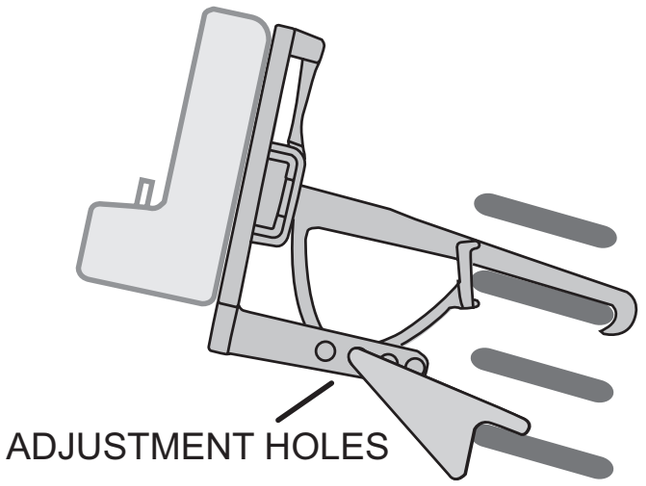


Figure 8

Installing the Antenna

The optimum mounting location for the magnetic antenna is on the roof of the vehicle, with a minimum unobstructed area of 12 inches by 12 inches, and exactly 6½ inches from the rear roof edge of the vehicle (the length of the rubber antenna cable cover/tail). It is important to avoid any obstructions that will block the SIRIUS signal, obstructions such as a roof rack, a sunroof, roof mounted cargo containers, or other antennas. For convertible vehicles, the antenna should be installed on the trunk lid.

For best performance, it is recommended that the antenna be installed with the rubber antenna cable cover/tail. This rubber antenna cable cover/tail provides two benefits: first, it positions the antenna the recommended distance from the rear window, rear door/hatch, or trunk edge to give the antenna the best view of the sky. Secondly, it conceals and protects the exposed antenna cable. The rubber antenna cable cover/tail has adhesive strips that hold it securely in place.

The following illustrations show the recommended mounting locations of the antenna for several types of vehicles. (Figure 9) Follow these recommendations for best performance from the antenna.

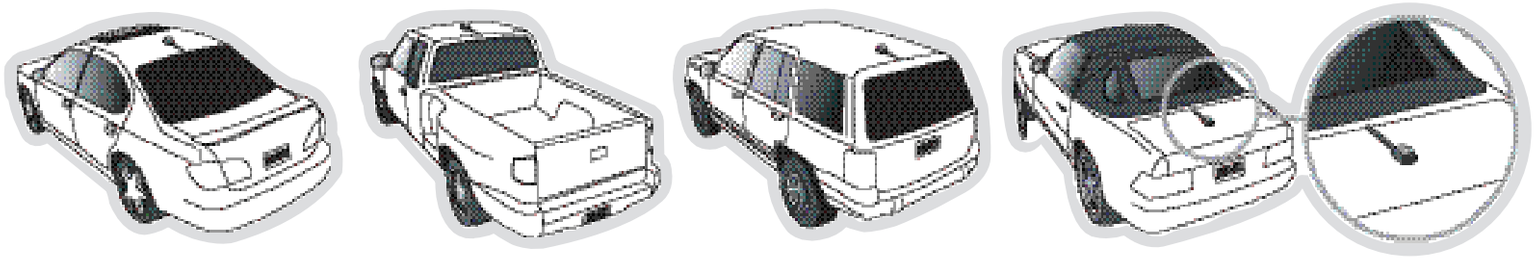


Figure 9

Sedan/Coupe. Mount the antenna along the rear center-line of the vehicle roof, located at the rear of the roof near the rear window.

Pickup Truck. Mount the antenna along the rear center-line of the cab roof, located at the rear of the roof near the rear window.

SUV/Mini-Van. Mount the antenna along the rear center-line of the vehicle roof, located at the rear of the roof near the rear door/hatch.

Convertible. Mount the antenna along the center-line of the trunk lid, with the rubber antenna cable cover/tail directed toward the rear window.

When you have selected a suitable mounting location, clean the area where the antenna and rubber antenna cable cover/tail will be mounted with the supplied alcohol swab.

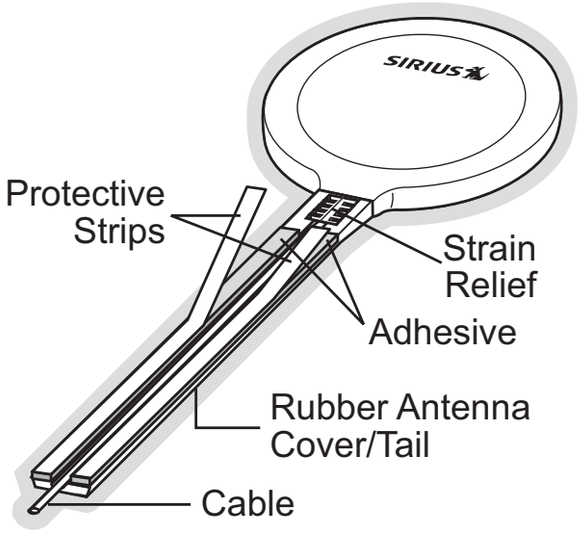


Figure 10

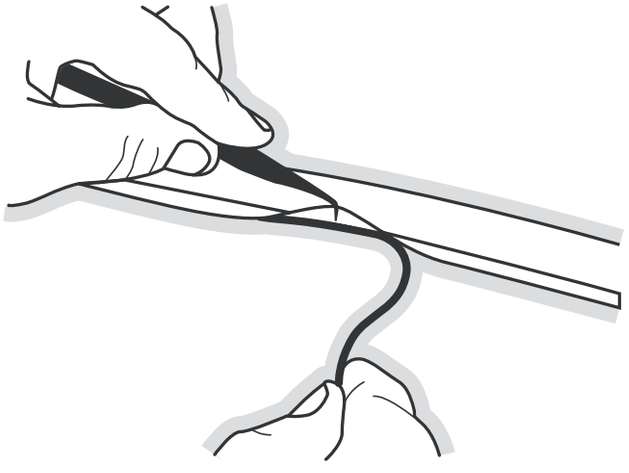


Figure 11

Connect the rubber antenna cable cover/tail to the antenna cable, making sure that the strain-relief on the antenna sits into the rubber antenna cable cover/tail groove. (Figure 10) Route the antenna cable through the wire channel in the rubber antenna cable cover/tail. Do not remove the protective strips yet.

Temporarily position the antenna and rubber antenna cable cover/tail in the selected mounting area and route the cable from the antenna to the vehicle's interior by tucking it underneath the rubber molding around rear window, as shown in Figure 11.

Route the cable from the lowest point of the rear window into the trunk. Take advantage of any existing cable channels or wiring conduits. For SUVs, mini-vans and 5-door vehicles, bring the cable into the vehicle under the rubber molding for the tailgate, and continue under the interior trim.

From the trunk, or rear of the vehicle, route the cable around the passenger compartment and to the front of the vehicle, to the receiver. Take care not pull the cable across sharp edges that could damage it, and keep it away from areas where it might entangle feet. Coil any excess antenna cable in a location where it can be hidden.

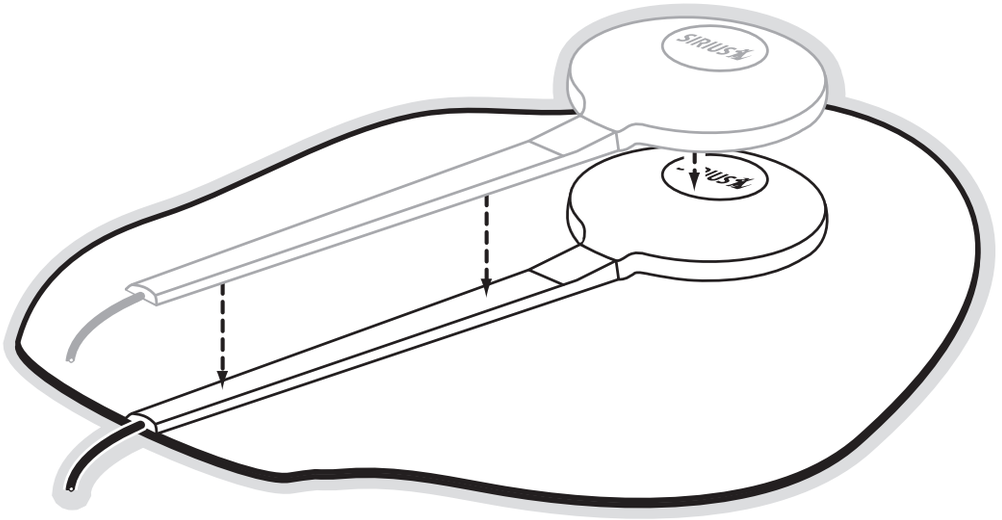


Figure 12

Once the antenna cable is routed through the vehicle, and you are satisfied with the cable routing, peel the protective material from the adhesive strips and press the rubber antenna cable cover/tail firmly into place on the vehicle. Double check that the location of the antenna and rubber antenna cable cover/tail are correct, and continue to press firmly down on rub-

ber antenna cable cover/tail for another 30 seconds. (Figure 12) At room temperature (68 degrees), maximum adhesion usually occurs within 72 hours. During this period, avoid car washes and other contact with the antenna and rubber antenna cable cover/tail.

Connect the antenna cable to the **ANT** connection at the rear of the dock. (Refer to Figure 1 on page 9 for the location of this connector.)

Connecting the Cigarette Lighter Adapter

Connect the provided cigarette lighter adapter to the **DC5V** connection at the rear of the dock. (Refer to Figure 1 on page 9 for the location of this connector.)

Docking the SIRIUS Receiver

If your receiver is a SIRIUS Plug and Play series ST or SV, you will need to install the docking station adapter provided with the kit. Refer to Figure 13 and place the docking station lock in the unlocked position (1). Install the adapter into the front of the docking station, positioning it behind the connector and against the backrest (2). Once the adapter is installed in the docking station, slide the lock to the locked position (3). The receiver may now be placed into the docking station, pressing the receiver down until it is fully seated.

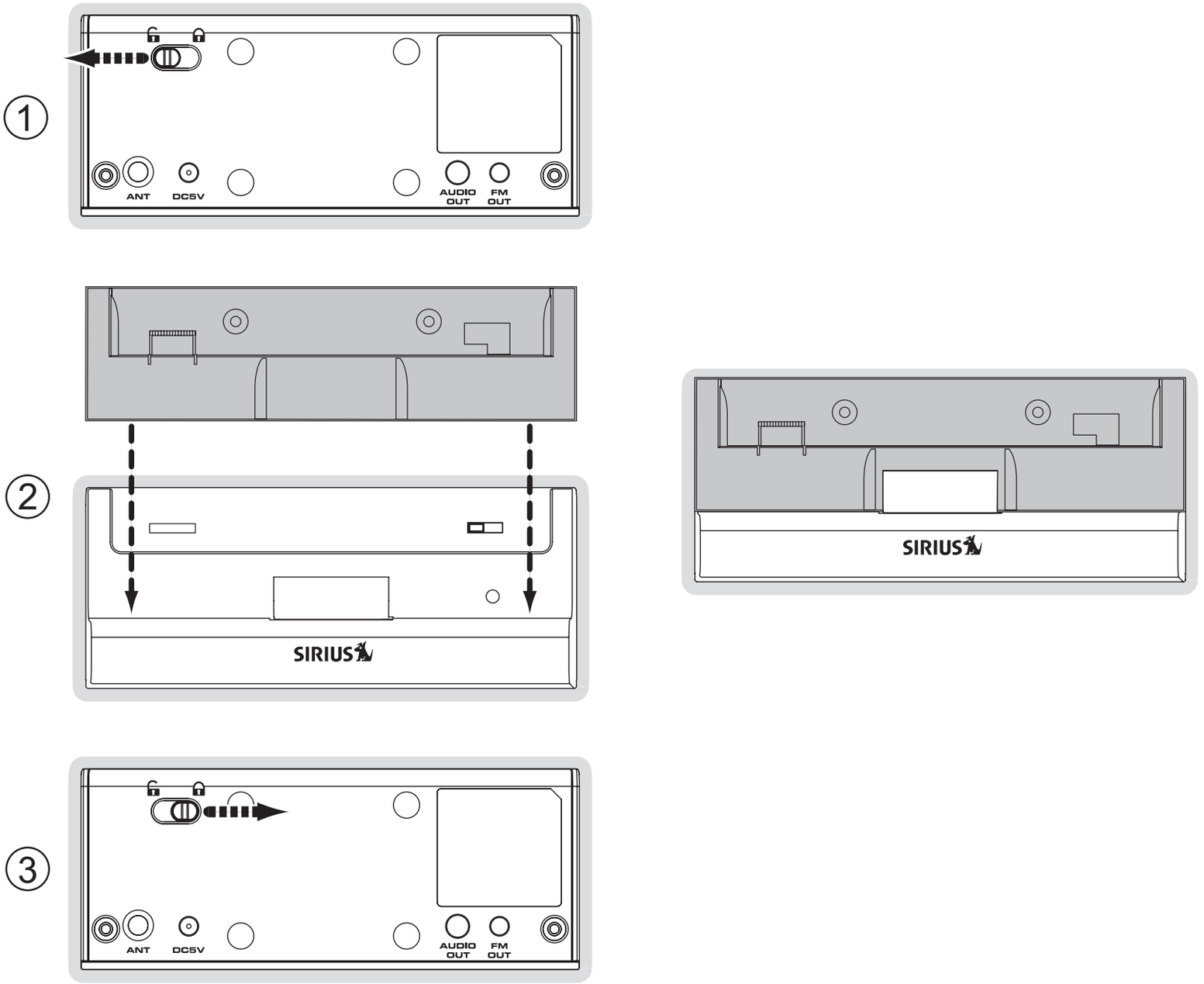


Figure 13

For SIRIUS receivers which do not require the adapter, make sure the lock on the docking station is set in the unlocked position and place the SIRIUS receiver into the docking station, pressing the receiver down until it is fully seated. Slide the lock into the locked position. (Refer to Figure 1 on page 9 for the location of the lock.)

Maximizing Audio Quality From Your SIRIUS Receiver

There are two primary ways to connect your SIRIUS satellite radio. The following procedures will help you obtain the best performance.

WIRELESS CONNECTION

Your SIRIUS radio contains an FM transmitter. The FM transmitter sends the audio from your SIRIUS radio to your vehicle radio. (Figure 14)

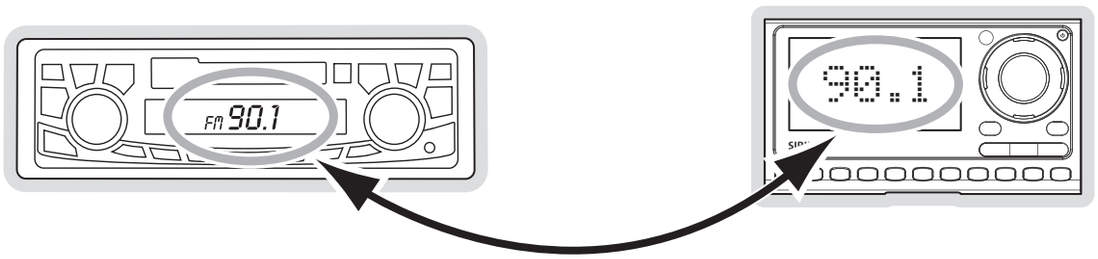


Figure 14

To tune your transmitter:

1. Turn off your SIRIUS radio and tune through the FM channels on your vehicle radio to locate an FM channel that is not broadcasting in your area. If you use an FM channel that is being used by a local broadcaster, it will interfere with the performance of your SIRIUS radio. Once you have located an FM channel that is not broadcasting in your area, save it as a preset on your vehicle radio. This will become your SIRIUS preset.
2. Turn on your SIRIUS radio. In the *Settings* or *Menu* in your SIRIUS radio, locate the ***FM Frequency*** adjustments. Set the channel number on your SIRIUS radio to match the SIRIUS preset on your vehicle radio. Refer to your user guide for detailed instructions on how to do this.

Note: The FM transmitter in your SIRIUS radio is automatically set to FM channel 88.1. This may not be the best channel in your area.

Tip: If you regularly travel between cities with different active FM channels, you may need to find channels that are not broadcasting in each city. Several SIRIUS receiver models can store multiple FM transmit channels, so you can easily switch to the best FM channel for each city. Refer to your user guide for details on this feature. You will also want to set the FM channels that are not broadcasting in each city as presets on your vehicle radio.

If you're not sure which FM channels are not broadcasting in your home or travel cities, you can also go to http://SIRIUS.com/fmchannel and search for a suggested FM channel based on your zip code.

DIRECT CONNECTIONS

Direct connection provides better audio performance than a wireless connection and removes the possibility of interference from local FM broadcasters.

Direct Wired Audio Connection

If your vehicle radio offers an "AUX IN" or "LINE IN" connection, it is the best audio connection available. If the "AUX IN" or "LINE IN" connector is located on the front of your vehicle radio, this is also the easiest connection. (Figure 15)

1. Purchase an audio cable that matches the connection type of your vehicle radio and your SIRIUS radio at your local electronics retailer. Your SIRIUS radio requires a 1/8" stereo male connector. Your local electronics retailer can help you determine the proper connection for your car radio.
2. Plug one end of the cable into the "AUDIO OUT" or "LINE OUT" jack on your SIRIUS radio. Plug the other end into your "AUX IN" or "LINE IN" jack on your vehicle radio.

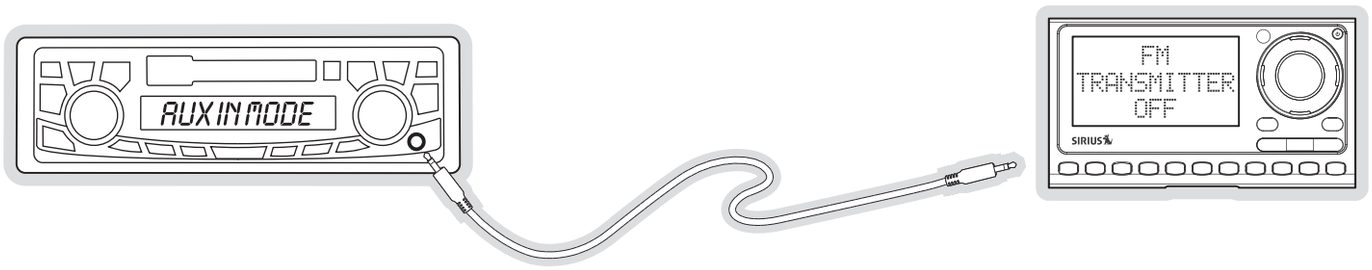


Figure 15

NOTE: Refer to your vehicle radio manufacturer's guidelines for correct installation.

NOTE: If the "AUX IN" or "LINE IN" connection is on the back of your vehicle radio, you may want to consider professional installation. (Figure 16)

Figure 16

Cassette Adapter

If your vehicle radio has a cassette player:

1. Purchase a Cassette Adapter at your local electronics retailer.
2. Connect the adapter between the “AUDIO OUT” or “LINE OUT” on your SIRIUS radio and the vehicle radio’s cassette slot. (Figure 17)

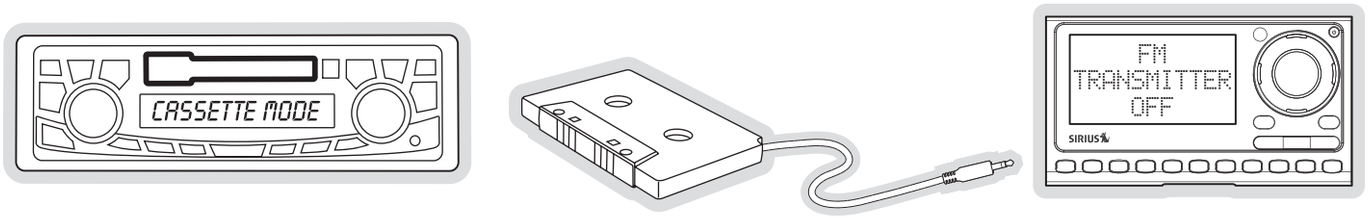


Figure 17

NOTE: Refer to the cassette adapter manufacturer’s guidelines for correct use.

SIRIUS FM Direct Adapter

If your vehicle radio does not have an “AUX IN” or “LINE IN” jack, the SIRIUS FM Direct Adaptor provides a wired connection between your SIRIUS radio and your vehicle radio, eliminating the outside static and interference you sometimes experience when using a wireless FM connection. (Figure 18)

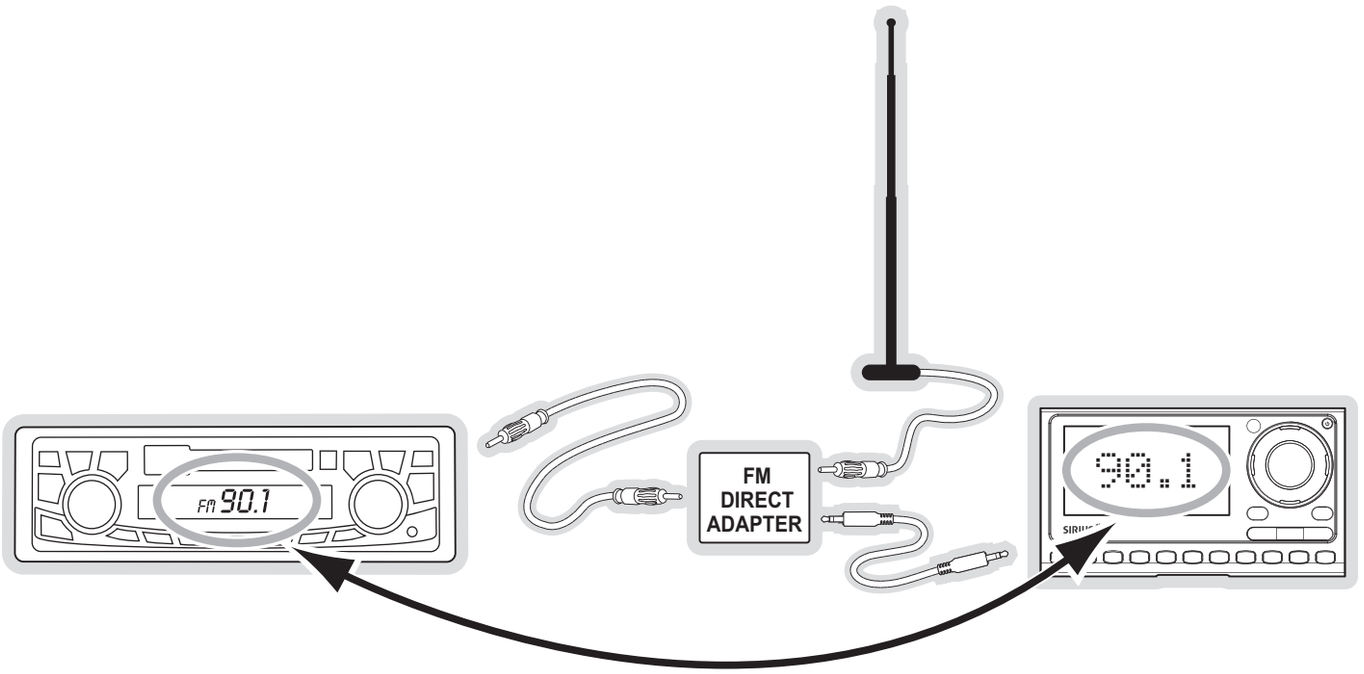


Figure 18

Professional installation may be required. See your local SIRIUS retailer.

For the latest information refer to http://www.SIRIUS.com/vehicleinstallation.

(The SIRIUS FM Direct Adaptor is available at your local SIRIUS retailer or at http://shop.SIRIUS.com).

Subscribing to the SIRIUS Service

Before you can listen to the SIRIUS service, you need to subscribe to the SIRIUS Satellite Radio service. To subscribe, do the following:

1. Be sure that the SIRIUS receiver is correctly installed, is in the vehicle or home dock, and that the antenna is oriented to receive the SIRIUS signal.
2. Turn on the receiver. After the startup sequence, it will update the SIRIUS channel line-up. Wait until the channel updates have completed before pressing any buttons.
3. Once the channels have been updated, the display will change to

Call 1-888-539-SIRIUS to Subscribe and will tune to channel 184. You will not be able to listen to other channels until you activate your SIRIUS subscription.

4. Use the receiver's channel up/down buttons to tune to channel **0** to display the receivers's unique 12-digit SIRIUS ID Number (SID). (Figure 1) You can also tune to channel **0** by using the remote control: Press the **Select** button then the **0** (zero) button and then press the **Select** button again. The SID number is also available on the receiver's packaging, and may also be accessed by pressing the **MENU** button and selecting *Sirius ID*. Write the SID number down in the space provided near the end of this guide.
5. Have your credit card handy and contact SIRIUS on the Internet at:
   https://activate.siriusradio.com/
   and follow the prompts to activate your subscription. You can also call SIRIUS toll-free at: **1-888-539-SIRIUS** (1-888-539-7474).
6. When you have successfully subscribed to the SIRIUS service, and the receiver has been updated with your subscription information, an alert will be displayed. To continue, press the **Select** button.

You are now ready to begin enjoying SIRIUS Satellite Radio's digital entertainment, and can tune to other channels!

Troubleshooting

Symptom	Solution
SIRIUS receiver does not power on	Blown fuse, or the Cigarette Lighter Adapter is not properly connected. Check the Cigarette Lighter adapter connection. Refer to the vehicle's owners manual for the location of the vehicle's fuse panel and check for a blown fuse.
SIRIUS receiver displays: *Antenna Not Detected*	The satellite antenna is not connected to the receiver dock. Check the satellite antenna connection to the dock.
SIRIUS receiver displays: *Acquiring Signal*	No satellite signal is being received. Check for obstacles over or around the satellite antenna. Change the vehicle location to eliminate nearby obstacles (bridges, overpasses, tress, buildings, etc).
Audio static or loss of clarity	The FM frequency contains static. Locate a quiet FM frequency on your vehicle radio and set the FM transmitter frequency of the SIRIUS receiver to match. If using the Audio Out connector, check the cable connections.
No sound	The audio cables are not connected, or the FM radio is set to the wrong frequency. Check the audio cables at the receiver and the radio. Verify that the FM transmitter in the receiver is set to On. Tune the FM radio to the same FM frequency to which the receiver is tuned.

Optional Accessories

The following optional accessories are available for purchase from your SIRIUS retailer to maximize your SIRIUS experience:

SUBX1 SIRIUS Plug and Play Universal Boombox

The SUBX1 SIRIUS Plug and Play Universal Boombox is a portable docking station and audio system for use with the SIRIUS receiver. With the built-in amplifier and speakers, the boombox delivers rich, powerful sound indoors or outdoors, and features an auxiliary input for other audio devices.

Included with the boombox is an adjustable indoor/outdoor windowsill antenna with 20' of cable and an AC adapter.

SUPH1 SIRIUS Universal Plug and Play Home Kit

The SUPH1 SIRIUS Universal Plug and Play Home Kit is a compact docking cradle that positions the receiver for easy viewing and operation. Designed for quick and easy self-installation, it includes all necessary cabling to connect your SIRIUS receiver to your home audio system.

The kit includes a compact tabletop/desktop docking cradle with FM output for wireless connectivity, an audio cable for connection to any stereo bookshelf system, an adjustable indoor/outdoor windowsill antenna with 20' of cable, and an AC Adapter.

Warranty

12 Month Warranty

SIRIUS Satellite Radio Inc. (the "Company") warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the Company's option) without charge for parts and repair labor. To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the location shown below under WARRANTY RETURN.

This Warranty does not extend to the elimination of externally generated static or noise, to correction of antenna problems, to costs incurred for installation, removal or reinstallation of the product, or to damage to tapes, compact discs, speakers, accessories, or vehicle electrical systems.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 48 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

WARRANTY RETURN: To obtain repair or replacement within the terms of this Warranty, please return product to an authorized retailer or call Customer Service at 1-800-869-5187; proof of purchase and description of defect are required. Products to be returned to an approved warranty station must be shipped freight prepaid.

Specifications

Cigarette Lighter Adapter Fuse Requirement	2A Slow Blow
Cigarette Lighter Adapter Cable Length	1.8m (6ft.)
Cigarette Lighter Adapter Operating Temperature	-20° to +85° C (-4° to +185° F)
Docking Station Power Requirements	10-16 Volts, Negative Ground, DC
Antenna Type	Low Profile Magnetic
Antenna Cable Length	21’ (single micro-cable)
Connector Type	SMB (right-angle)
Audio Out Interface	1/8” / 3.5mm Stereo Jack

THE BEST RADIO ON RADIO™

SIRIUS Customer Service: 1-888-539-7474
customercare@sirius-radio.com

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